



Explosive Devices and Compounds

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San Bernardino County Sheriffs Dept. Bomb/Arson Unit

Disclaimer

The identities of the devices pictured within this document are based on field identification by UXO or bomb squad personnel during various USEPA Removal Action. The identifications are not exact and all devices should be considered to be explosive unless designated inert by the manufacturer of the device or rendered safe by a UXO/EOD professional.

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Cable Cutter Assembly End - Inert End



Large Cable Cutter



Line cutter



Description: Reef (Cable) Cutter



Guillotine Assembly (cable cutter)



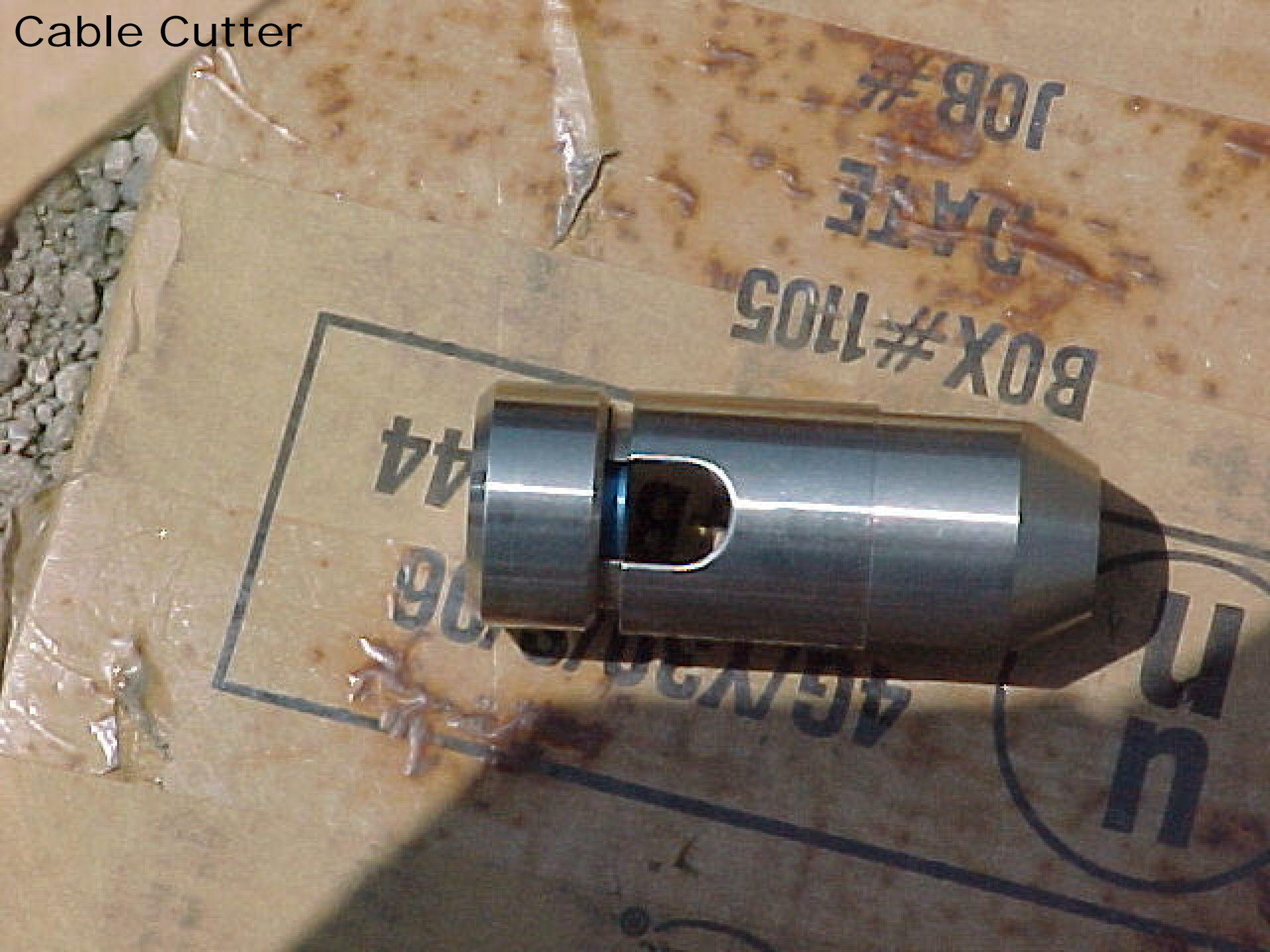
3 CUTTERS
↓



Reefing Line Cutter



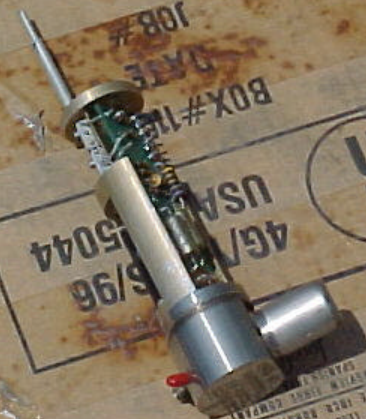
Cable Cutter



Cable Cutter



Safe/Arm devices for a missile



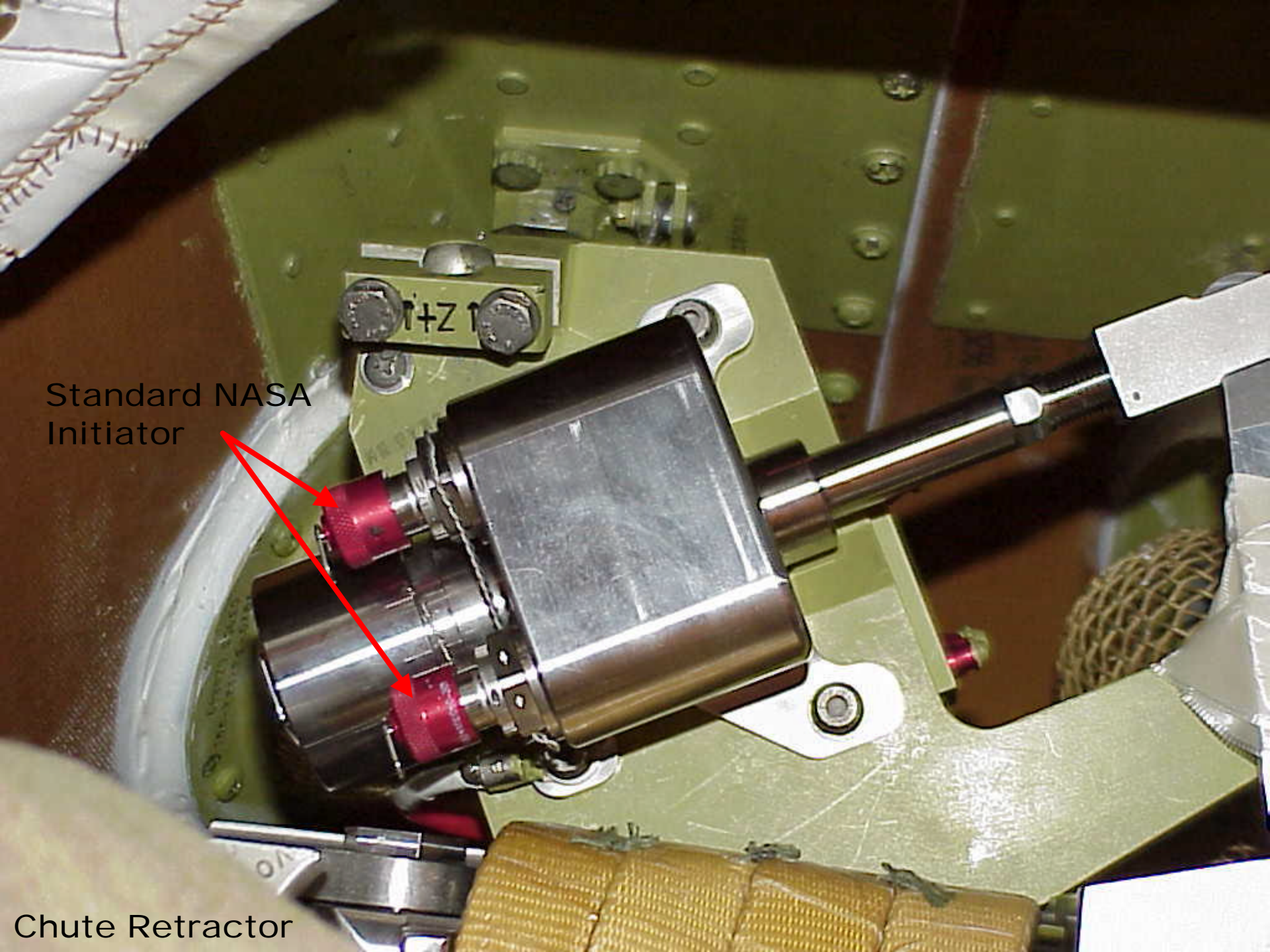
Actuator for an Ejection Seat



20 10:42 AM

Standard NASA
Initiator

Chute Retractor



Part of an Arming System – Inert End



Transfer Block - Inert

Det Cord or Initiators
fit hear



Rocket motor for an ejection seat



Small Detonator - use unknown



20 10:51 AM

Small Detonator - use unknown



20 10:51 AM

Small Detonators - use unknown



20 10:52AM



20 10:55 AM



20 10:55 AM

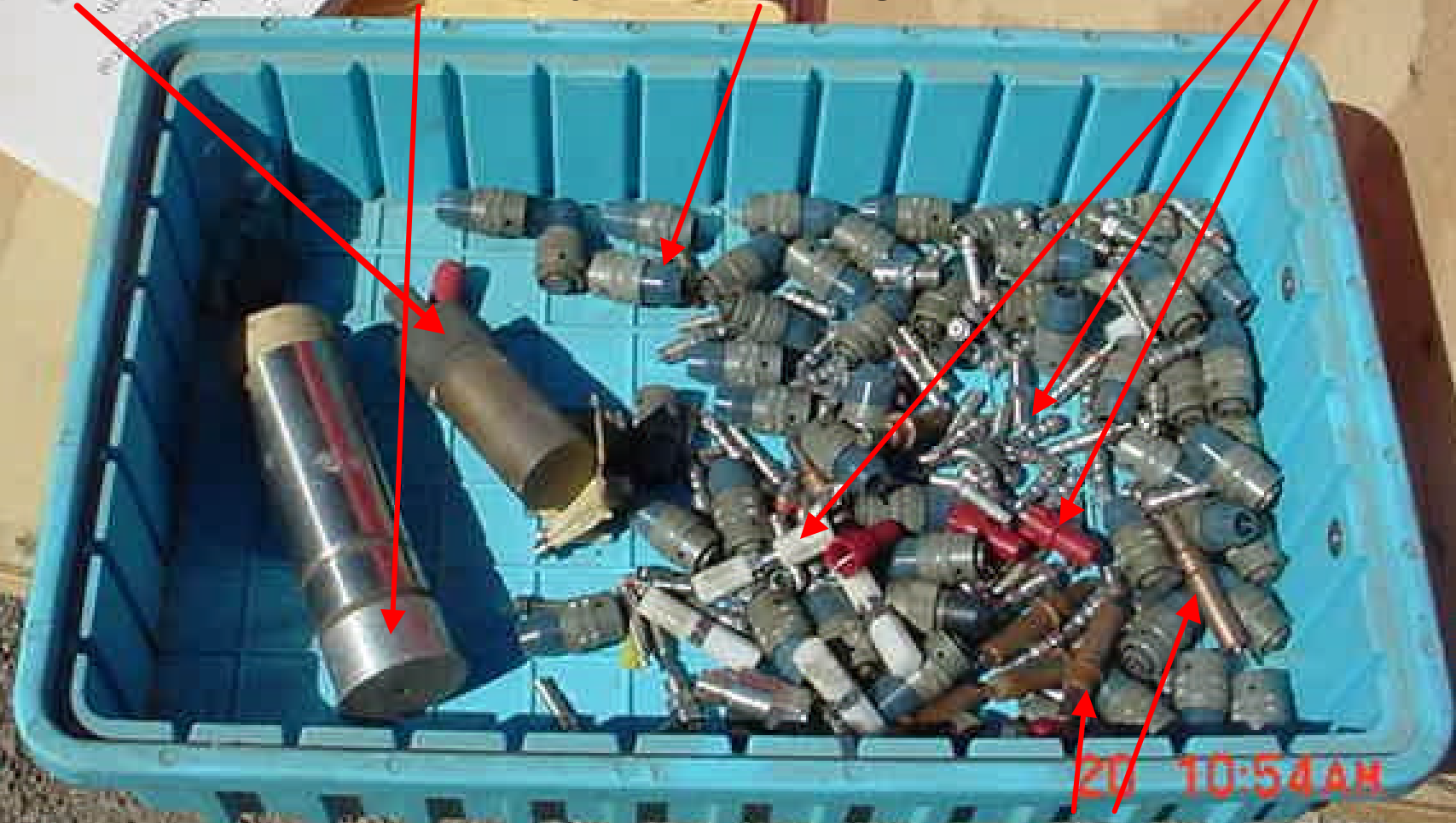
Detonator - use unknown

Shape Charge

Primer

Pyrotechnic Igniter

Detonator



Copper Blasting Cap

20 10:54 AM

Pyrotechnic Igniters



Copper blasting caps



20 10:50 AM



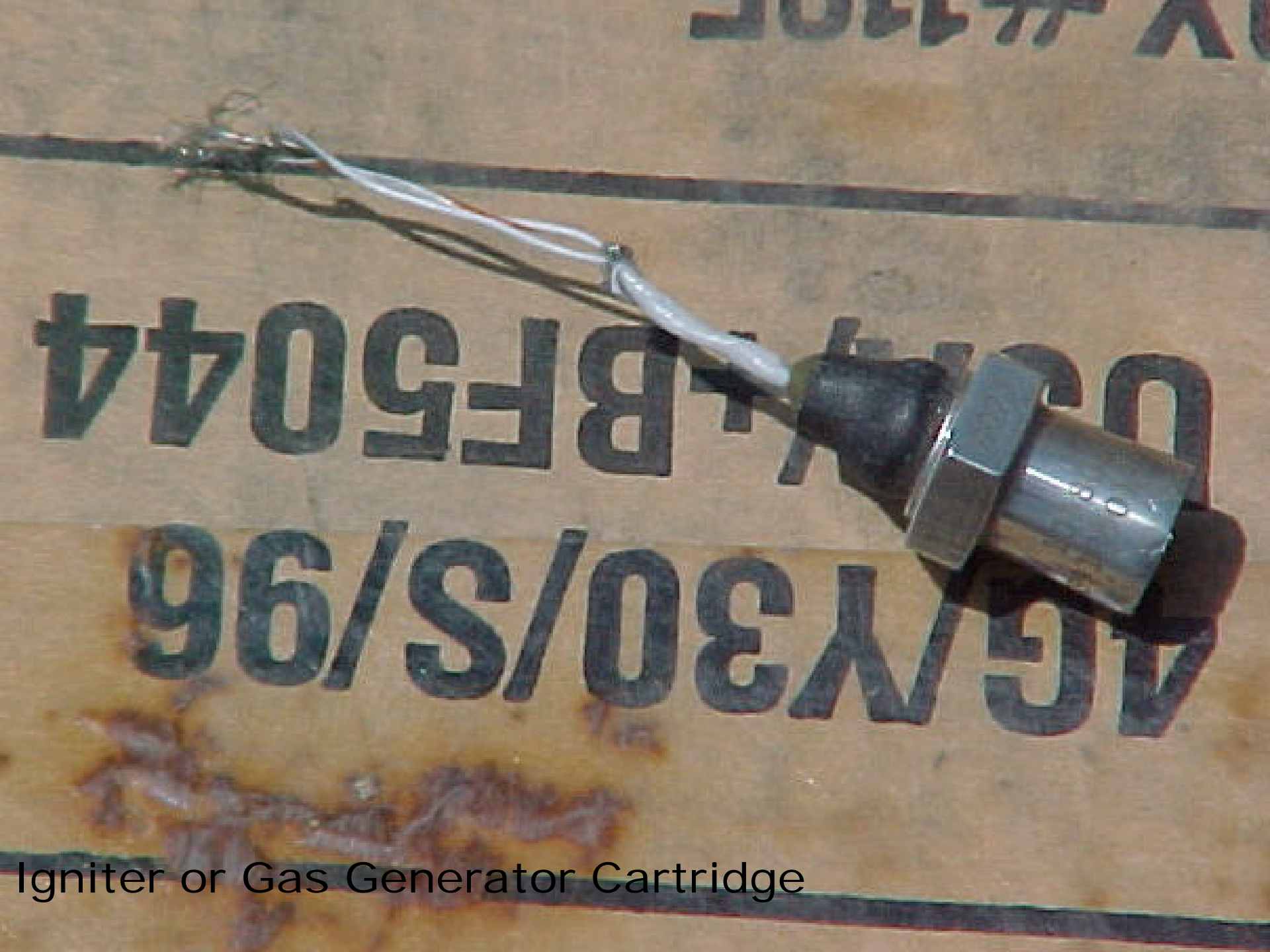
Blasting Cap

Detonators

Fuses

WARNING
ORDNANCE
DEVICE
DO NOT REMOVE
SAFETY PIN UNTIL
INSTALLATION
IN THE HOLE HAS
AND LINKAGE
2015-01-15
11:00 AM

24 2:03 PM



Igniter or Gas Generator Cartridge

Gas Generator Cartridge - Expended



INSIDE



Detonator or Gas Generator Mock Up



Percussion Fire Device



Shape Charge



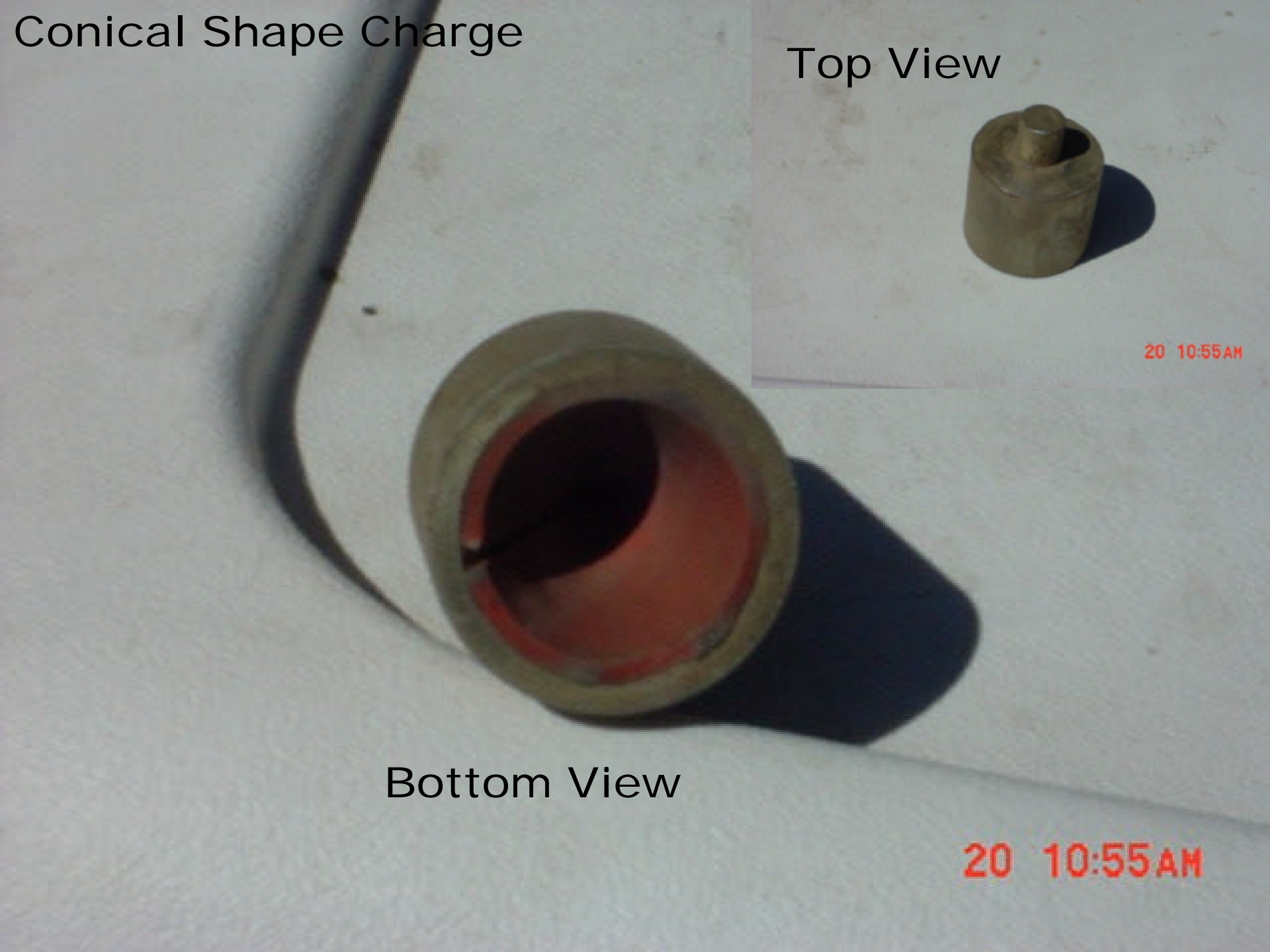
20 10:52 AM

Conical Shape Charge

Top View

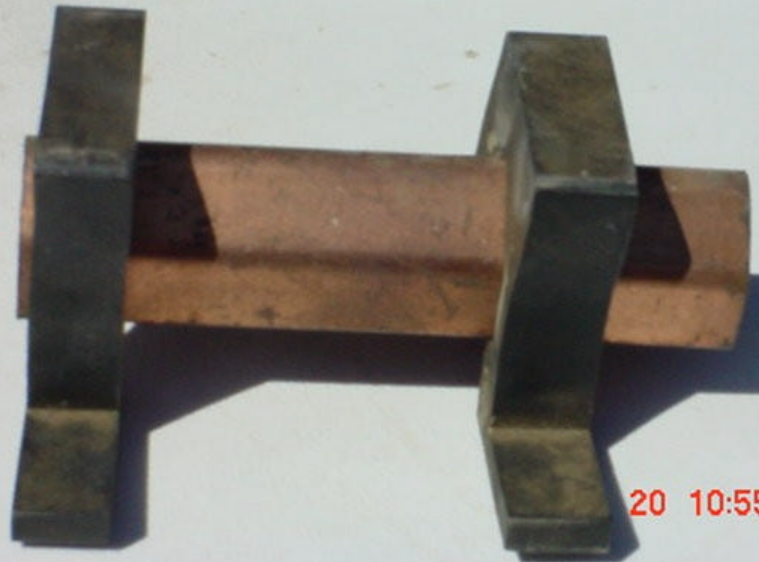


Bottom View

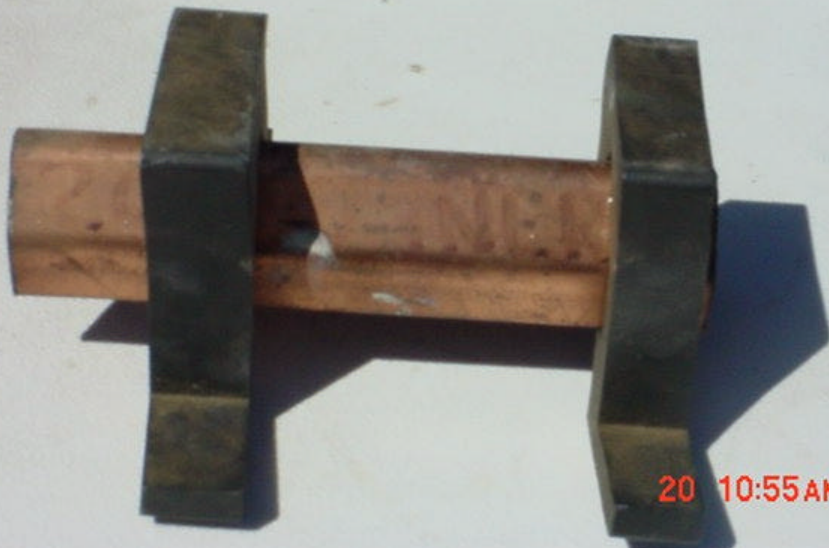




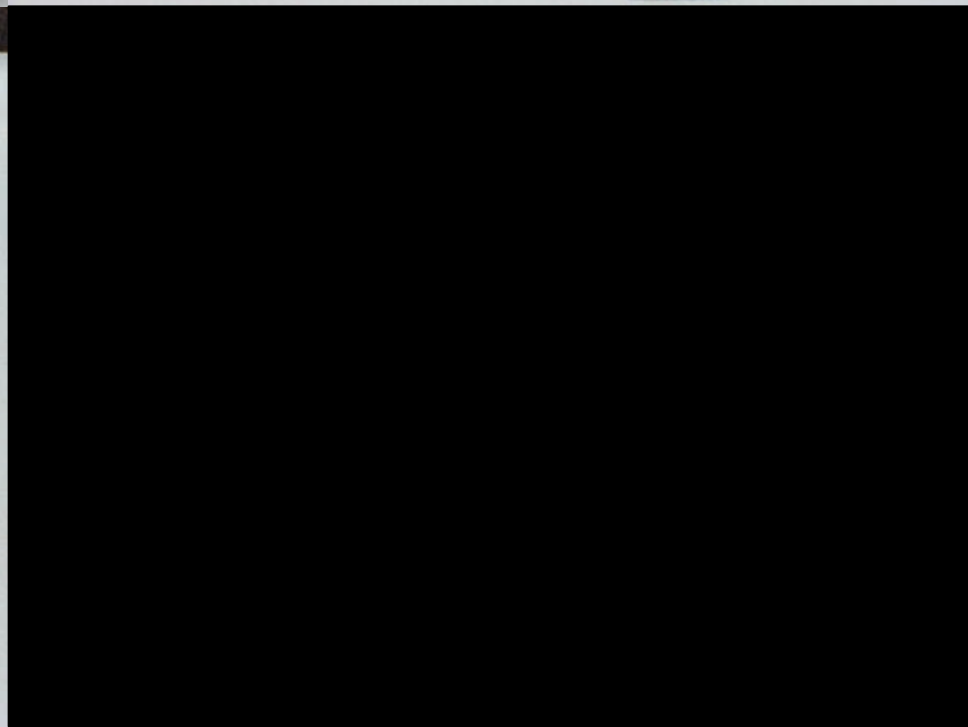
20 10:55 AM



20 10:55 AM



20 10:55 AM



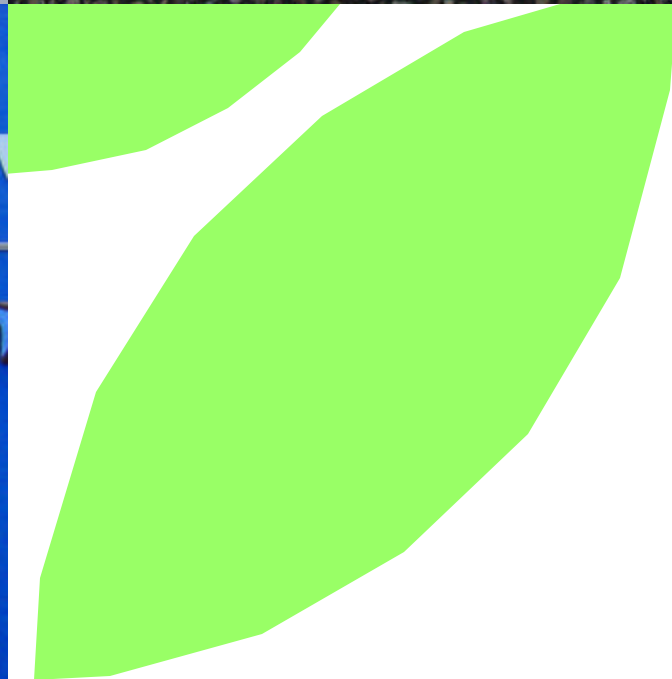
Boulder Buster Shape Charge



Fragmentation shield for depressurization hatch



Depressurization hatch



AMPHO Shape Charge



AMPHO Shape Charge



End of a line throwing gun



Post Blast Safe/Arm device for a missile



Explosive component for a TOW missile



BLU97 Cluster Bomblets



Primer cap



20 10:53AM

30 mm round without a fuse



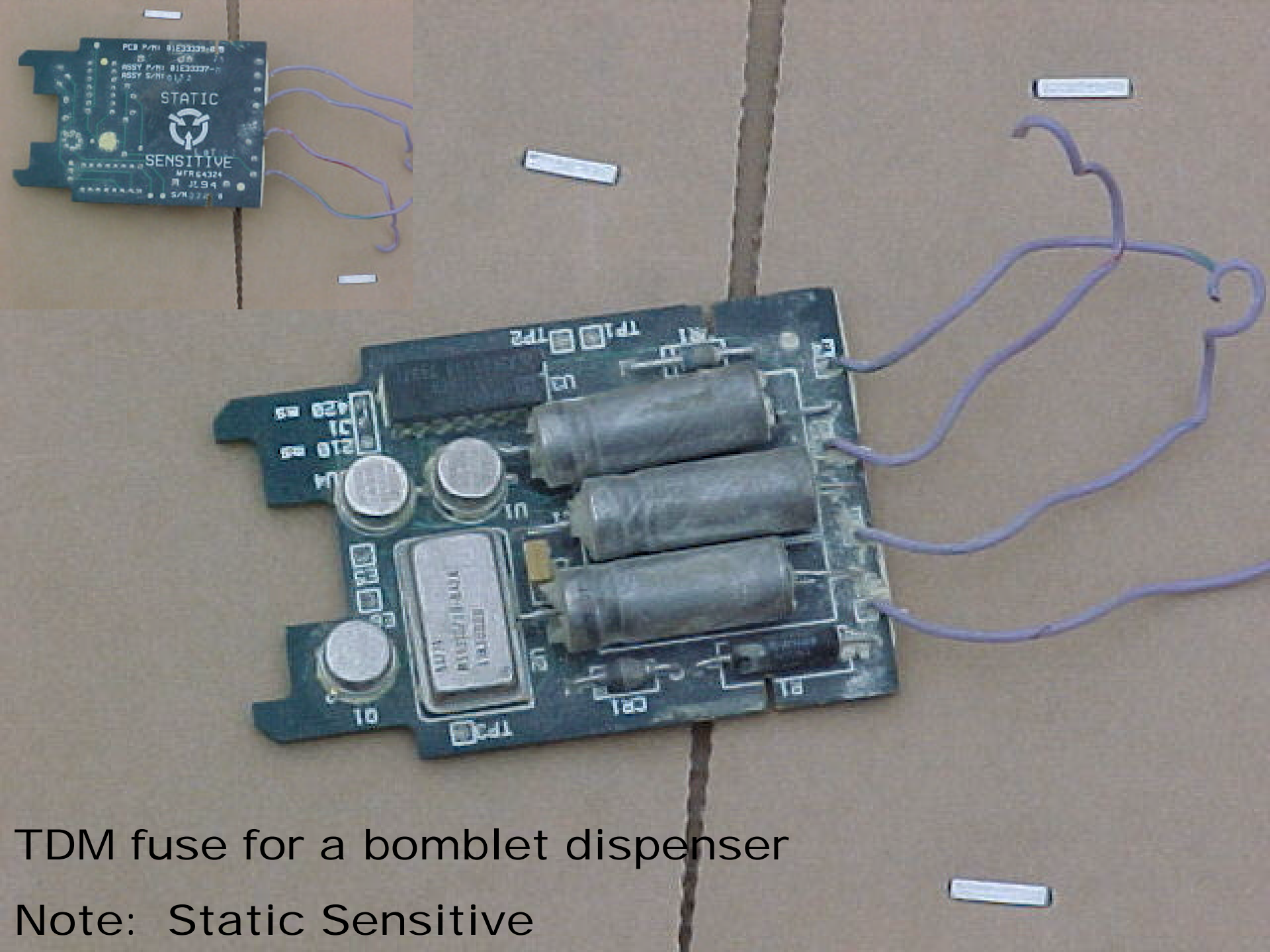
Bomb Fuse



20 10:36 AM

TDM Fuses





TDM fuse for a bomblet dispenser

Note: Static Sensitive

BDU 23 Practice Bomb Smoke Cartridge





Mechanical Grenade fuses

Electronic Fuse



11 11:25AM

Rifle Flare



11 11:27 AM

Rifle Grenade Holder



Artillery Round Warhead



20 10:39 AM

Swimmer Recall Device - flash bang

WAY FROM
THE BODY

INC. - RIALTO

CAUTION SWIMMER RECALL DEVICE MK-I

FIRING INSTRUCTIONS

LOT - 27-10-1

1. REMOVE SAFETY CLIP FROM PULL-WIRE FUSE LIGHTER.
2. CAREFULLY REMOVE CAP UNTIL CORD IS FREE OF PULL-WIRE FUSE LIGHTER
3. TO FIRE GRASP THE SWIMMER RECALL DEVICE FIRMLY IN THE PALM OF ONE HAND WITH THE OTHER HAND PULL THE CORD TO THE

SA/+BF
G/Y30/

longfibre®

THIS FIBREBOARD
NOT LESS THAN 275
INCH BURSTING
VIEW FIBRE COMPI
SPANISH FORK, UTAH

Dispensing mechanism for an chemical grenade (tear gas or smoke)

USA
4G/





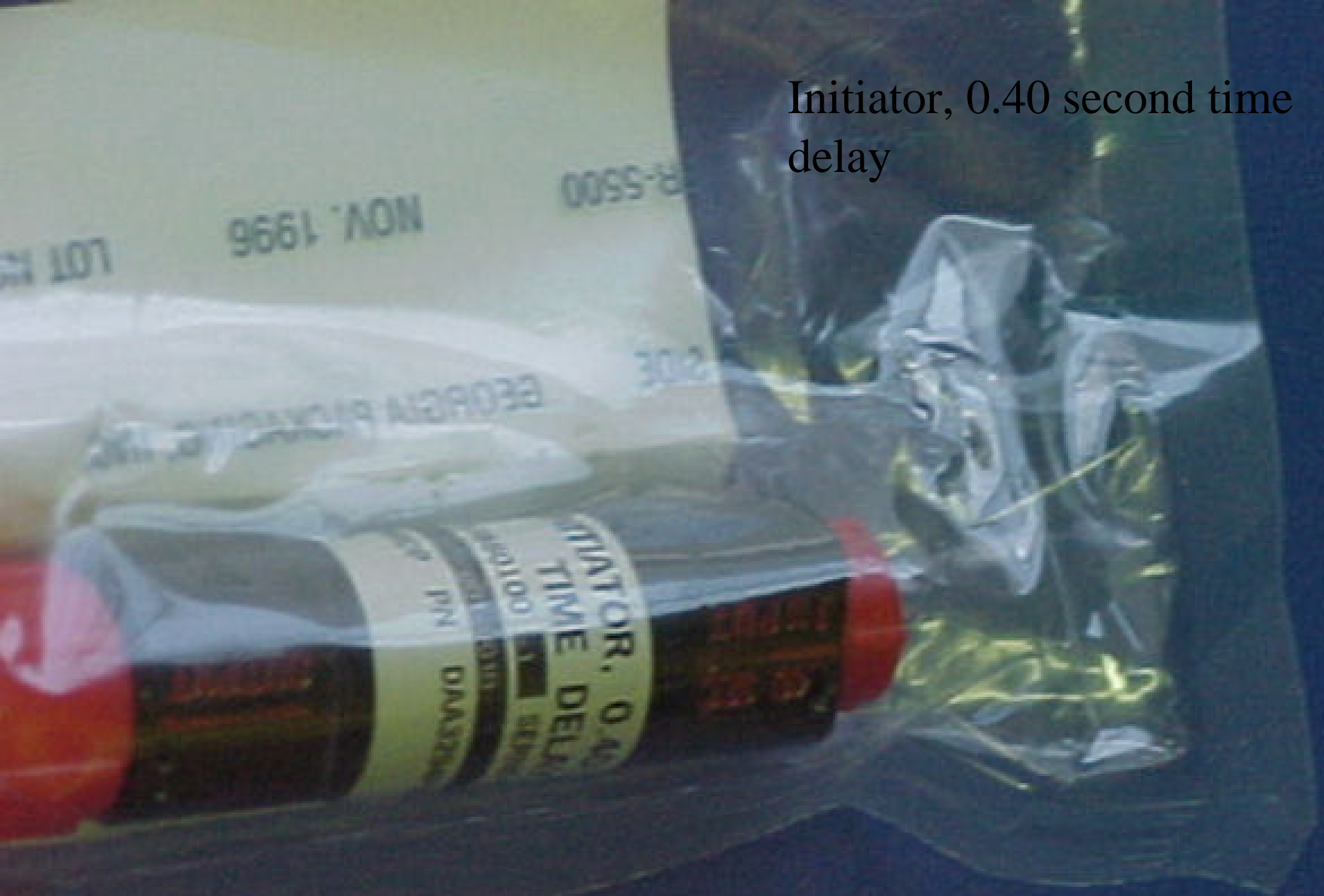
Crew Escape Flare

Expended tear gas and
smoke grenades

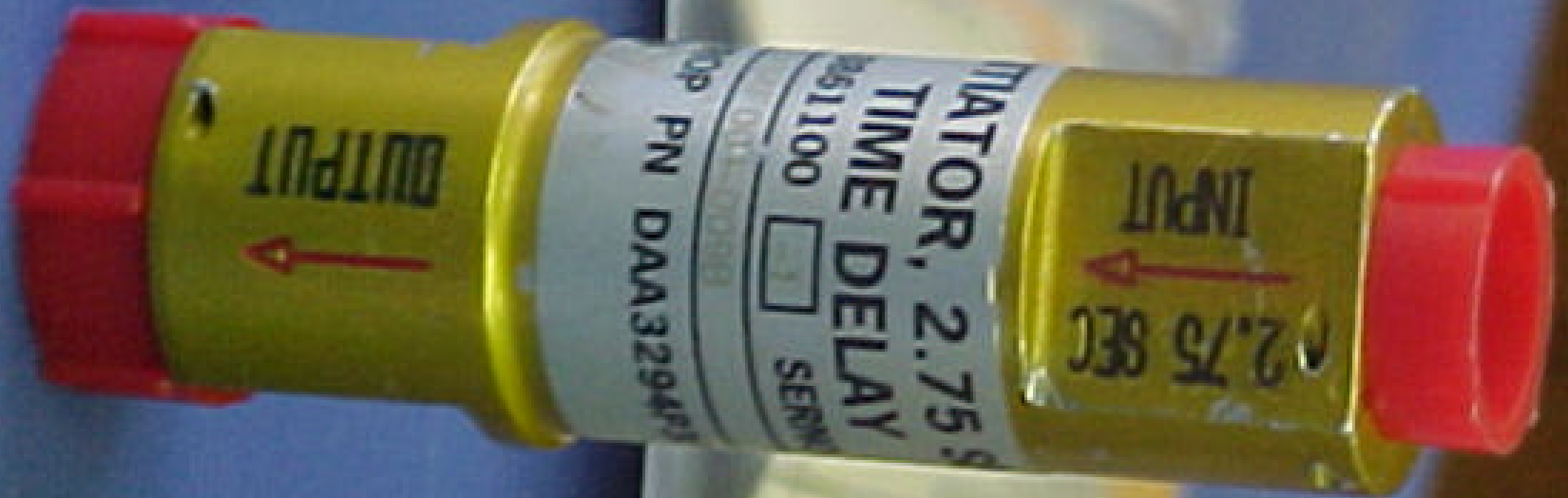


Initiator

Initiator, 0.40 second time
delay



Initiator, 2.75 second time
delay





TRANSPORTATION SAFETY INSTITUTE
HAZARDOUS MATERIALS TRAINING PROGRAMS
715 S. METROPOLITAN, SUITE 700, OKLAHOMA CITY, OK 73108
PROGRAM INFORMATION CALL 405-949-0036, EXT. 374



NSN, PART NO. AND ITEM DESCRIPTION
DAA3294P301-103
PULL InitiATOR
A/V 4053

SERIAL NUMBER/LOT NUMBER
126/0AC982001-005

CONTRACT OR PURCHASE ORDER NO.

UNIT OF ISSUE
EA

QUANTITY

SERVICEABLE TAG-MATERIEL

NEXT INSPECTION DUE OVERAGE
06/00

INSPECTION ACTIVITY
Noe Haas Grunman

INSPECTOR'S NAME OR STAMP AND DATE

CONDITION CODE
A

Time Delayed Initiator



ITEM PART NO. AND ITEM DESCRIPTION

AK4 202-511
Rin Droptail Salvage

AK4 4001 W 30 SEAT

NATIONAL NUMBER / LIST NUMBER

H2811

UNIT OF ISSUE

00

CONTRACT OR PURCHASE ORDER NO.

QUANTITY

1

SERVICEABLE TAG-MATERIEL

NEXT INSPECTION THROUGHOUT DATE

9/02

GRADE

A

INSPECTION METHOD

NATURAL GRADE

INSPECTOR'S NAME (OR STAMP) AND DATE

D. J. [Signature] 6-16-99

REMARKS: Removed on Removal - 9706363

TO: Baw Kok

2042-001

Dec 1/95

DO FORM 137A OCT 94

Unknown device

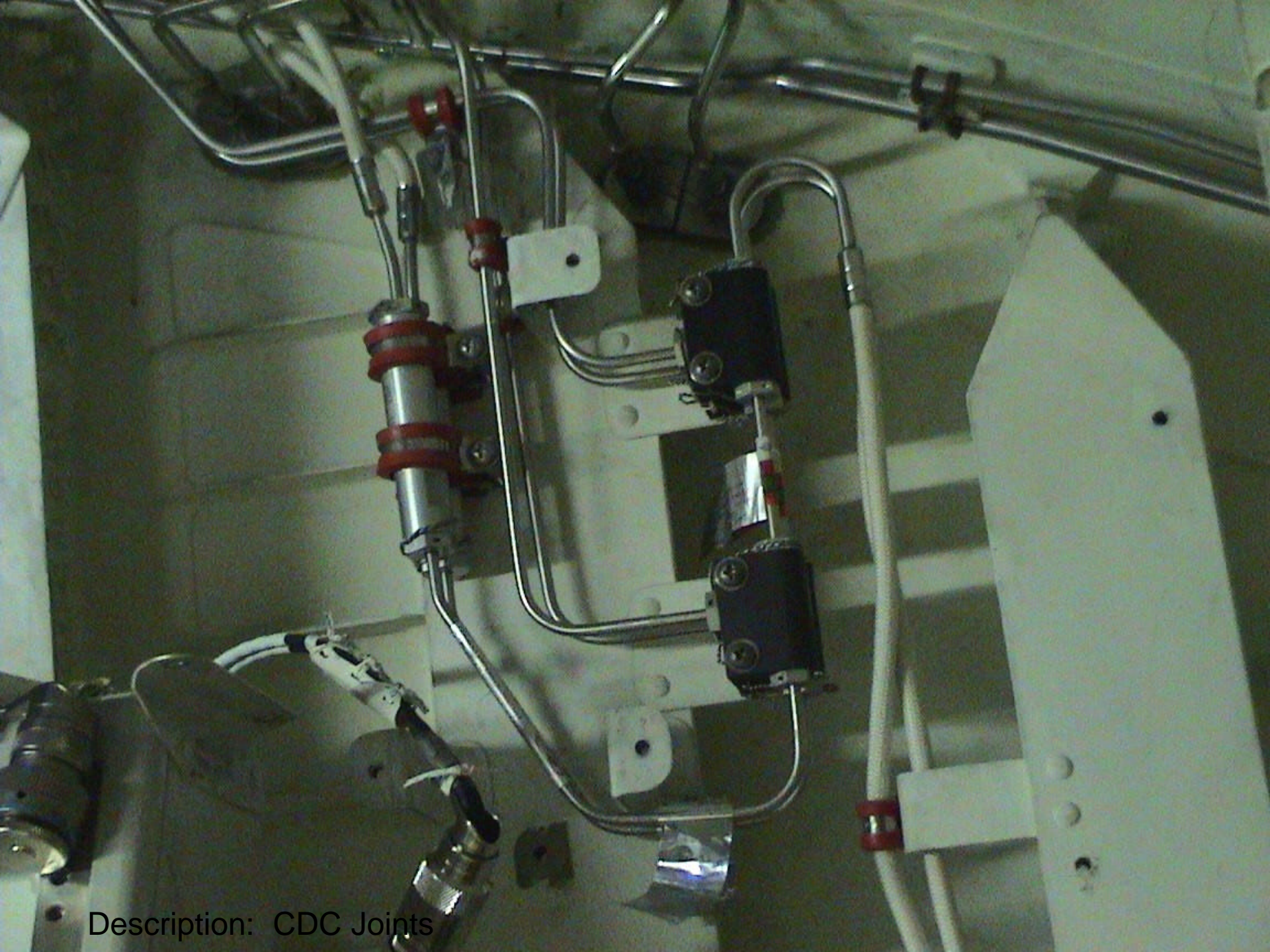


DU PONT
BLACK POWDER
GRADE
GRAN. _____
LOT NO. _____
25 LBS.
11.34 KILOS

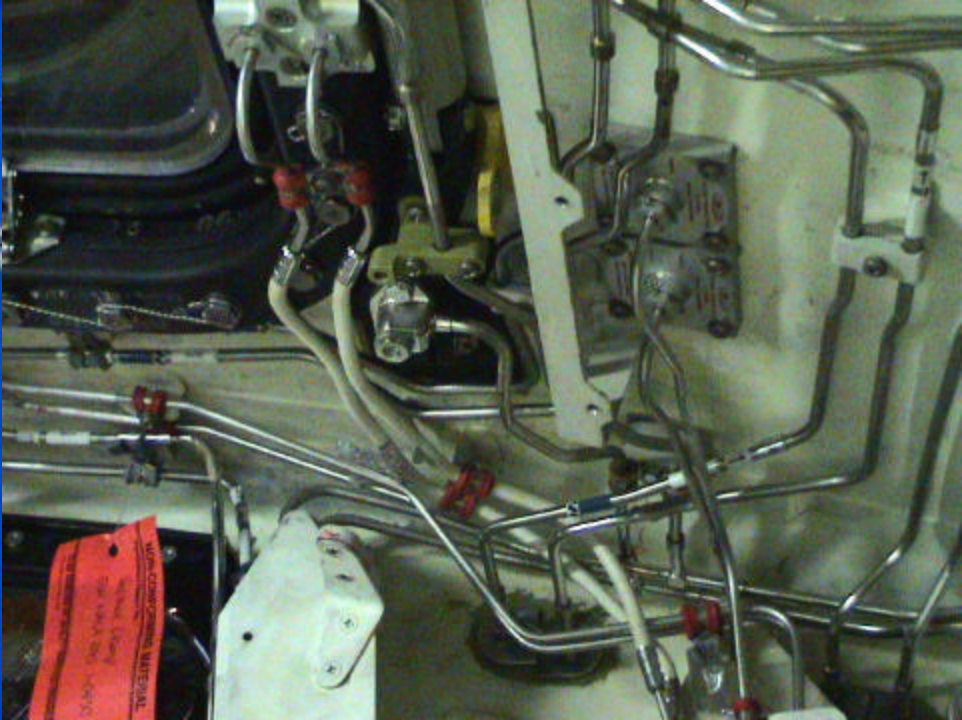
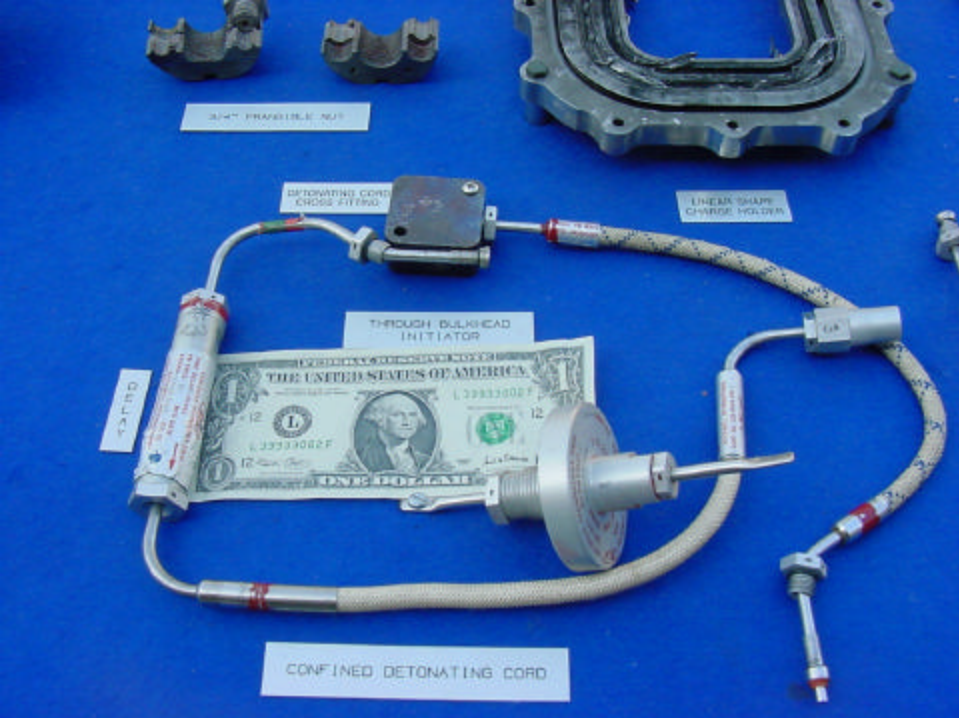
27 11:18 AM

Various types of detonation cord

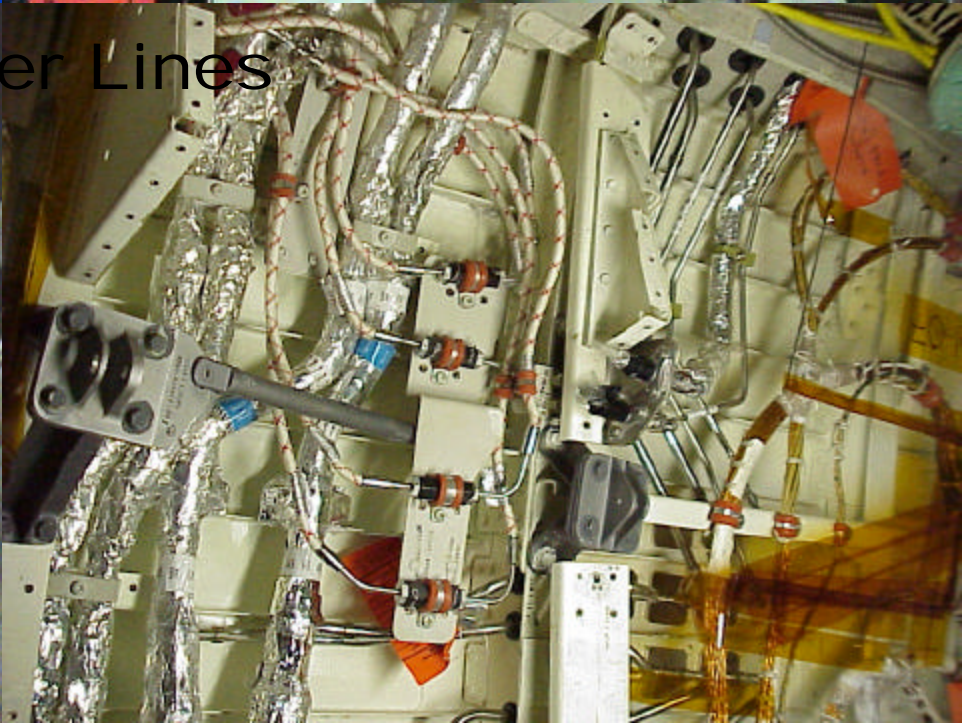
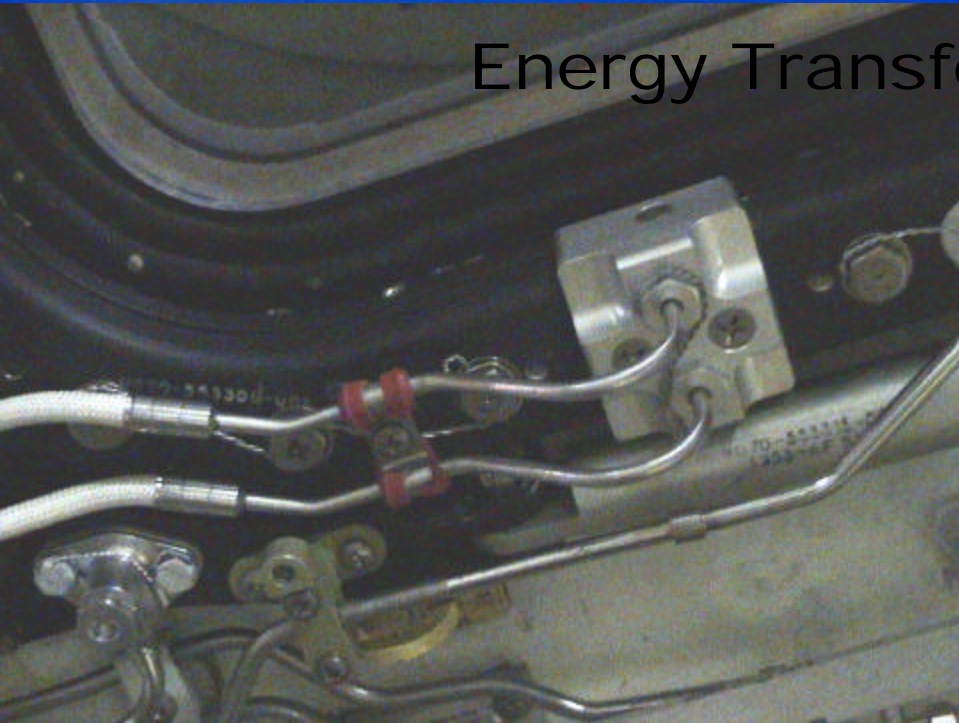




Description: CDC Joints



Energy Transfer Lines





80 WT. NET
1 (25)
1 (25)
1 (25)

27 10:46 AM

Perforating shape charge from Kaiser Steel

Description: Drag Chute Mortar Assembly



Description: Mortar Tube Breach Assembly

8/9/2001

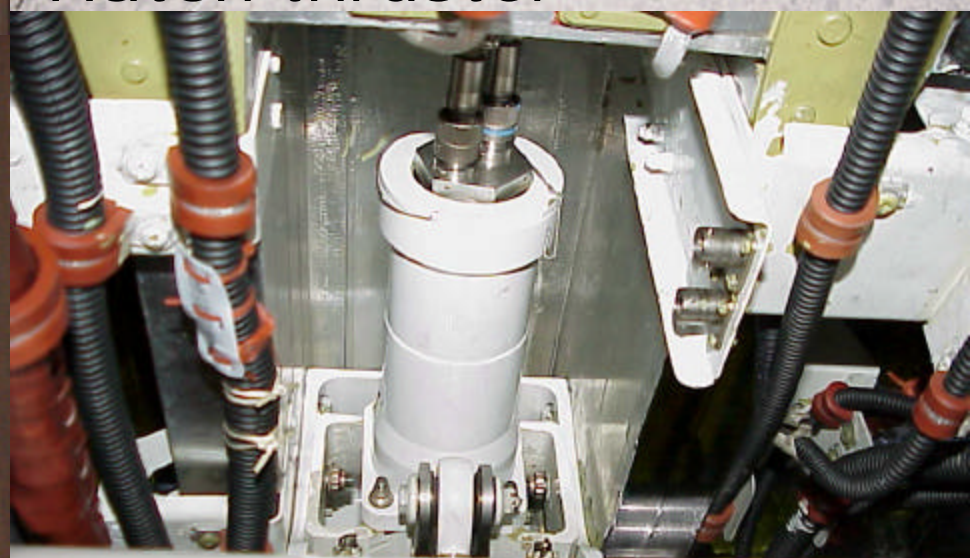
Thruster



NASA
Standard
Initiator



Hatch thruster

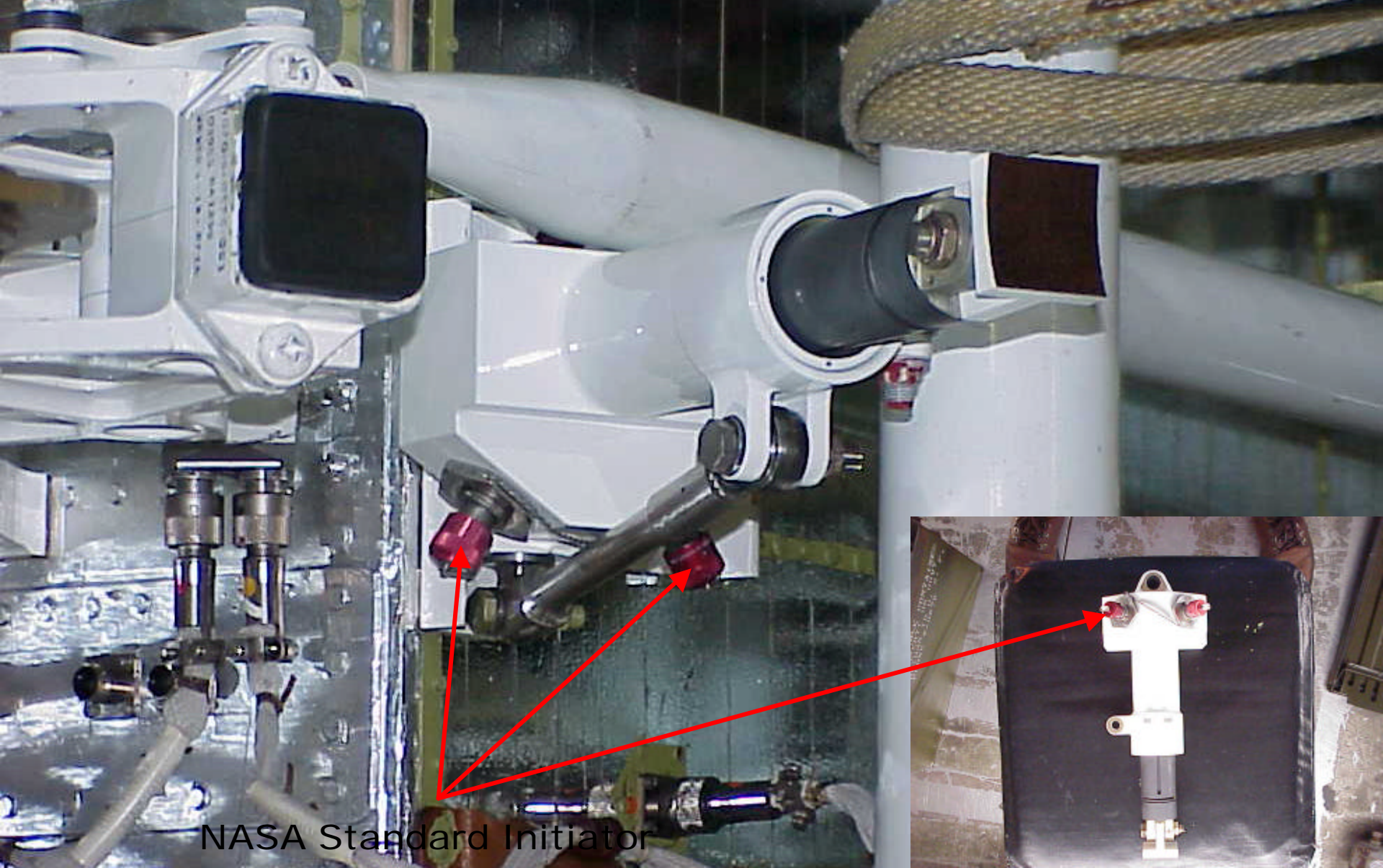


Thruster, landing gear
uplock

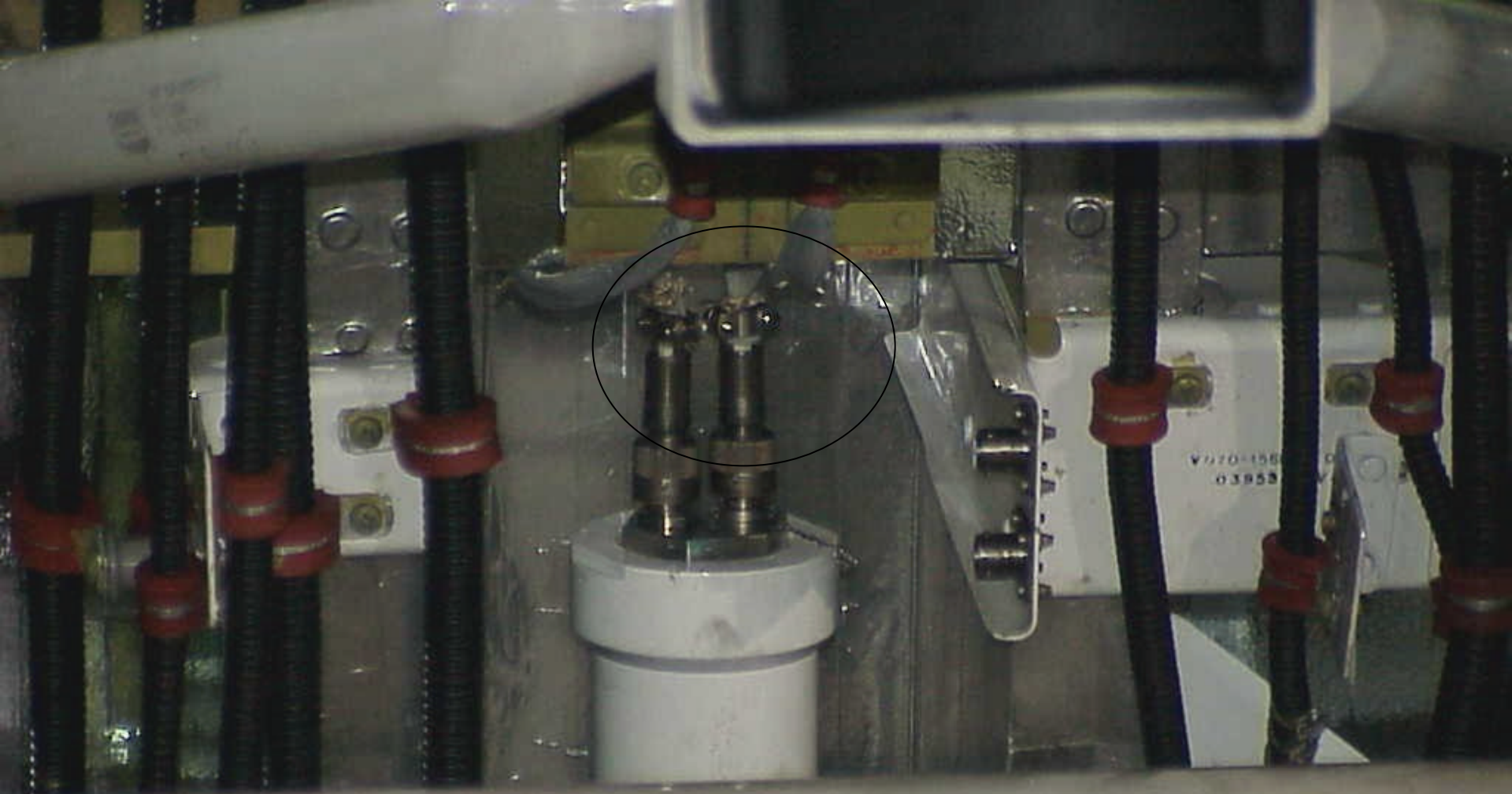


Description: MLG Uplock Thruster

Description: Nose Landing Gear
Structure Thruster



NASA Standard Initiator



Description: Main Landing Gear Thruster



Thruster

Thruster

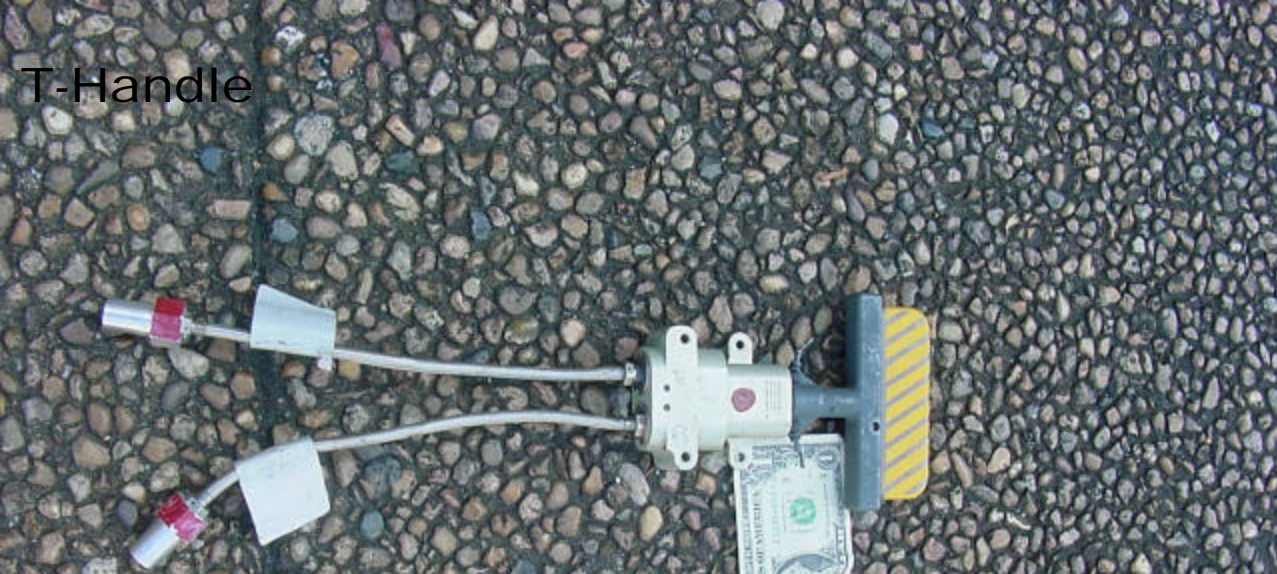


Thruster for antenna
release



Thruster

T-Handle



Automatic Opening Device (AOD) - USE
EXTREME CAUTION (PYROTECHNIC
DEVICE). DO NOT DISTURB OR PULL
ARMING CABLE!!



**FIRED AUTOMATIC
OPENING
DEVICE**



**Automatic Opening
Device (AOD) – USE
EXTREME CAUTION
(PYROTECHNIC
DEVICE) !!**

WARNING!!! USE EXTREME CAUTION

DO NOT PULL ARMING CABLE



AUTOMATIC OPENING DEVICE





Cable handle

Shielded det cord



Door Hinge Cutter



Initiator

Drag Chute Assembly Mortar Cartidge



Miscellaneous cartridges





Description: Fired Booster Cartridge



**SEAWARS
ACTUATED**

SEAWARS



SEAWARS

DEARM

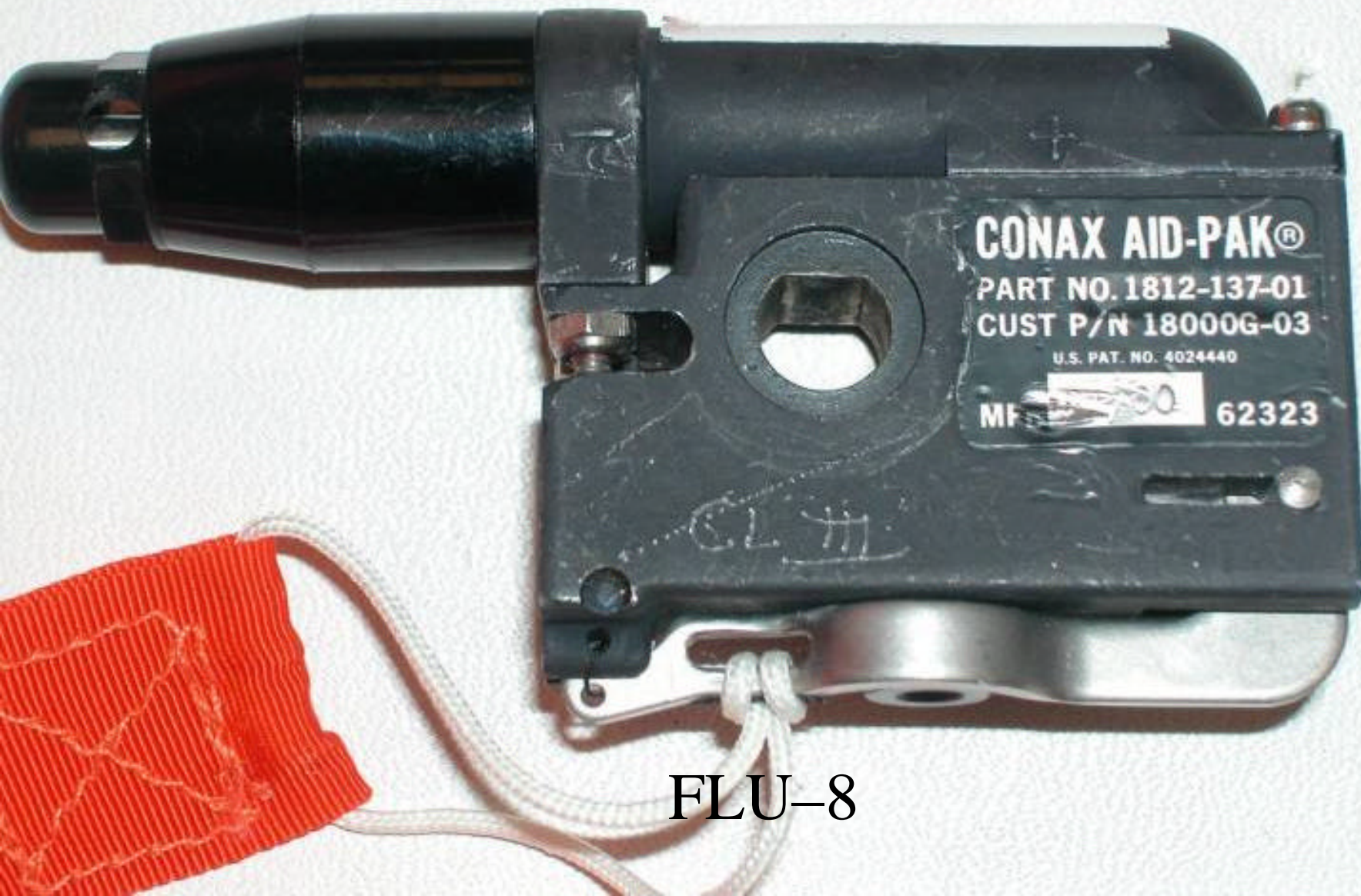
SEAWARS



REMOVE BATTERY



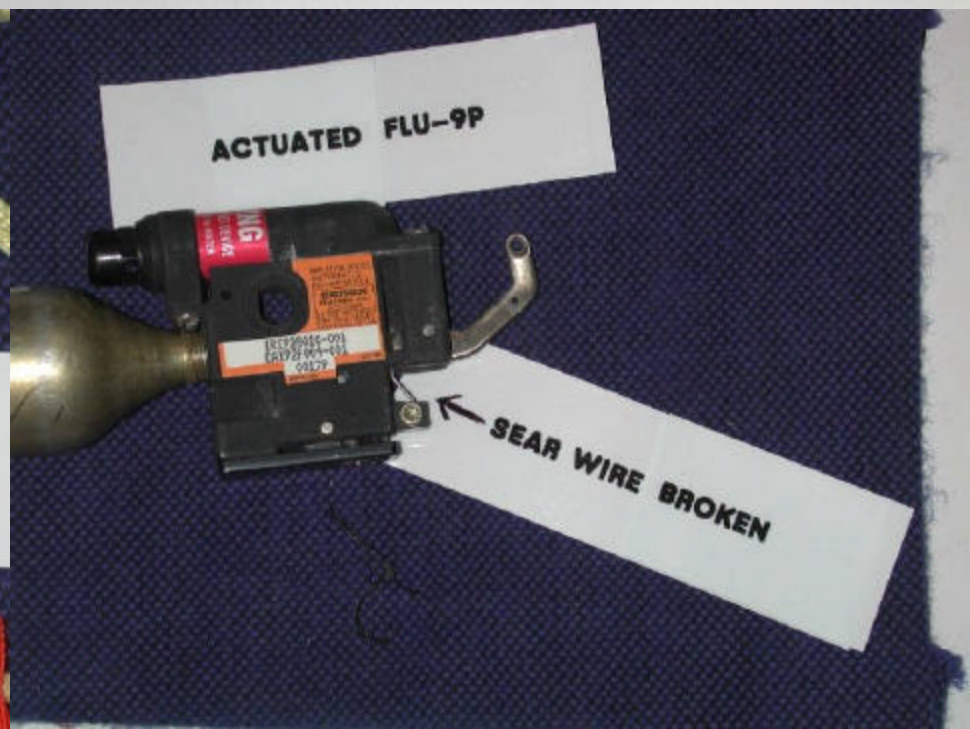
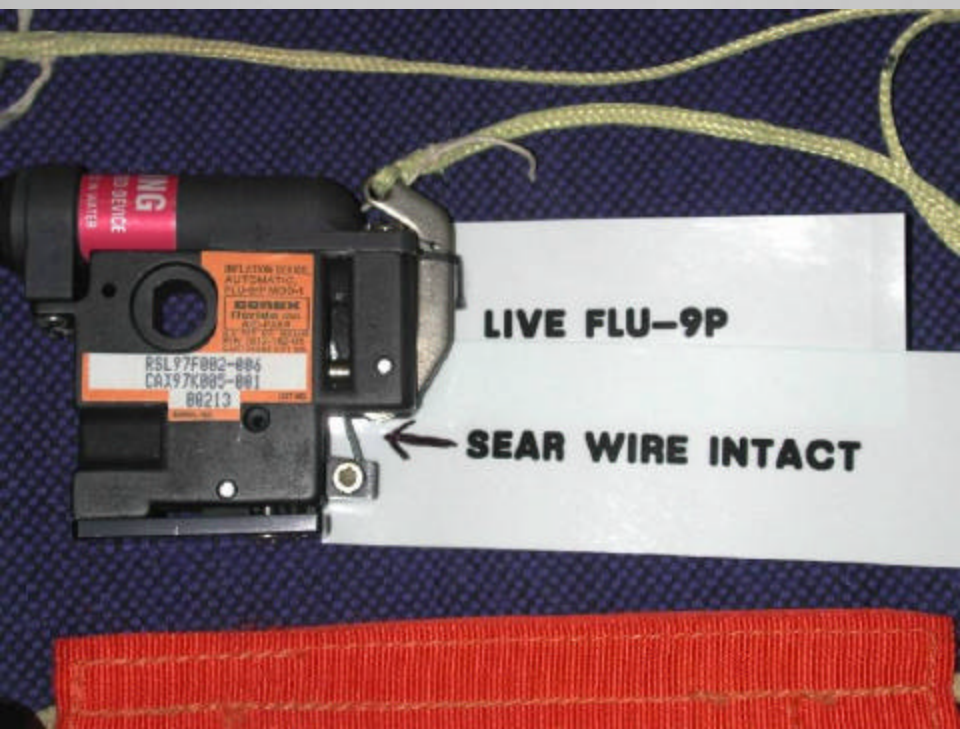
FLU-1



FLU-8



FLU 9 (if hole where arrow points is open, the device is armed),
cylinder contains Carbon Dioxide)



DEARM
FLU-9/P MOD 1

2. REMOVE BATTERY

1. REMOVE CO2 BOTTLE

QUICK RELEASE
PERSONNEL PARACHUTE HARNESS

P/N 81116-10

SN 88 602734

CONTR F41608-87-
D-0097



FROST ENGINEERING
DEVELOPMENT CORPORATION

FCSM 29645

Unknown Explosive Device



11 11:26AM



11 11:25 AM

Unknown Device

Unknown Explosive
Device, possibly part
of a flare system



20 10:56 AM

Unknown Explosive Device



Unknown explosive device



20 10:38 AM